(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 21 October 2004 (21.10.2004)

PCT

(10) International Publication Number WO 2004/090160 A1

(51) International Patent Classification7:

C12Q 1/68

(21) International Application Number:

PCT/CA2003/000547

(22) International Filing Date: 11 April 2003 (11.04.2003)

(25) Filing Language:

English

(26) Publication Language:

English

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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHODS FOR RELATIVE QUANTIFICATION OF SPECIFIC NUCLEIC ACID SEQUENCES

(57) Abstract: This invention relates generally to a method for quantifying the number of occurrences of a specific nucleic acid sequence within a nucleic acid sample in order to circumvent the shortcomings of the methods currently available and to provide reliable quantification of a specific nucleic acid sequence within a nucleic acid sample. The present invention provides a method of assessing an amount of a known target nucleic acid sequence in a sample comprising co-amplifying said target nucleic acid sequence and a known amount of a known control nucleic acid sequence to produce respective target and control amplicons, wherein said control nucleic acid sequence is different than said target nucleic acid sequence; and determining relative amounts of said respective amplicons by determining relative quantities of a primer extension reaction using each of said respective amplicons as a template.

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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

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Applicant's or agent's file reference	FOR FURTHER see Notification of (Form PCT/ISA/2	of Transmittal of International Search Report 220) as well as, where applicable, item 5 below.
14187-1PCT	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
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This International Search Report has bee according to Article 18. A copy is being to	n prepared by this International Searching Aut ansmitted to the International Bureau.	hority and is transmitted to the applicant
This International Search Report consists	of a total of 5 sheets.	. (
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Basis of the report		
a. With regard to the language, the	international search was carried out on the ba	sis of the International application in the
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2. Certain claims were fou	nd unsearchable (See Box I).	
3. Unity of Invention is lac	king (see Box II).	
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4. With regard to the title ,		
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6. The figure of the drawings to be publ	ished with the abstract is Figure No.	
as suggested by the appli	cant.	X None of the figures.
because the applicant fail	ed to suggest a figure.	
l ———	characterizes the invention.	

International application No.

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PCT/CA 03/00547

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

This invention relates generally to a method for quantifying the number of occurrences of a specific nucleic acid sequence within a nucleic acid sample in order to circumvent the shortcomings of the methods currently available and to provide reliable quantification of a specific nucleic acid sequence within a nucleic acid sample. The present invention provides a method of assessing an amount of a known target nucleic acid sequence in a sample comprising co-amplifying said target nucleic acid sequence and a known amount of a known control nucleic acid sequence to produce respective target and control amplicons, wherein said control nucleic acid sequence is different than said target nucleic acid sequence; and determining relative amounts of said respective amplicons by determining relative quantities of a primer extension reaction using each of said respective amplicons as a template.

INTERNATIONAL SEARCH REPORT

International Application No PCT/CA 03/00547

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

BIOSIS, EPO-Internal, EMBASE, WPI Data

Category °	ENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PIELBERG G ET AL: "Unexpectedly high allelic diversity at the KIT locus causing dominant white color in the domestic pig" GENETICS, vol. 160, no. 1, January 2002 (2002-01), pages 305-311, XP002265489 ISSN: 0016-6731 the whole document WO 00 63437 A (ILLUMINA INC)	1-39
A	26 October 2000 (2000-10-26) WO 02 20837 A (GARDNER REBECCA ;PYROSEQUENCING AB (SE); EKSTROEM BJOERN (SE); UNI) 14 March 2002 (2002-03-14)/	

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
A document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention
filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed	cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search 17 December 2003	Date of mailing of the international search report 13/01/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk	Authorized officer
NL - 2280 HV njsvija Tel (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Marinoni, J-C

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International Application No PCT/CA 03/00547

C.(Continua	ntion) DOCUMENTS CONSIDERED TO BE RELEVANT		
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Information on patent family members

International Application No
PCT/CA 03/00547

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